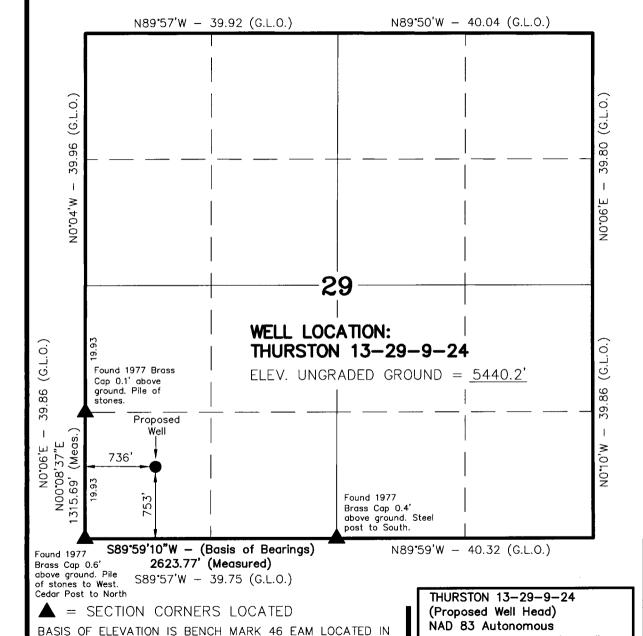
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

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AMENDED REPORT (highlight changes)

	-	APPLICAT	ION FOR F	PERMIT TO	DRILL			NERAL LEASE NO: -22161	6. SURFACE: Federal
1A. TYPE OF WO	1A. TYPE OF WORK: DRILL Z REENTER DEEPEN					7. IF	INDIAN, ALLOTTEE OR	TRIBE NAME:	
B. TYPE OF WE	B. TYPE OF WELL: OIL GAS OTHER SINGLE ZONE MULTIPLE ZONE 8. UNIT OF CA AGREEMENT NAME:								
2. NAME OF OPE	2. NAME OF OPERATOR:					9. W	ELL NAME and NUMBE	Ř:	
		ating Compa	ny					urston 13-29-9	
PO BOX 24	3. ADDRESS OF OPERATOR: PO BOX 240 CITY Vernal STATE UT ZIP 84078 PHONE NUMBER: (435) 789-2653					Uŧ	ield and pool, or v ideelignated	Wiriant	
	4. LOCATION OF WELL (FOOTAGES) 6. 49887 X 40. 00181						TR/QTR, SECTION, TO ERIDIAN:	WNSHIP, RANGE,	
	753' FSL 8		44	29225Y	100	211410	sv	VSW 29 9	24E
AT PROPOSED	PRODUCING ZO	NE: SAME AS	S ABOVE		-704.	24710			
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	s South of		NE (CCCT)	L to Millions of				ntah	
736'	O NEAREST PROF	PERTY OR LEASE LI	NE (FEET)	16. NUMBER OI	F ACRES IN LEA	320	17. NUMBEF	R OF ACRES ASSIGNE	TO THIS WELL:
	O NEAREST WELL R) ON THIS LEASE	(DRILLING, COMPL	ETED, OR	19. PROPOSED	DEPTH:		20. BOND D	ESCRIPTION:	
4,100'						8,000	02694		
21. ELEVATIONS 5439.2 G	•	R DF, RT, GR, ETC.);	12/31/20		RK WILL START:	23. ESTIMAT 30 DA	TED DURATION:	
				12/31/20			JO DA	13	
24.			PROPOSE	ED CASING AI	ND CEMEN	NTING PROGRAM			
SIZE OF HOLE	CASING SIZE,	GRADE, AND WEIG	-IT PER FOOT	SETTING DEPTH		CEMENT TYPE, QUA	ANTITY, YIELD	, AND SLURRY WEIGH	т
12 1/4	8 5/8	J-55	36#	2,000	PREMIU	M LITE II	250 S	X 3.38 C	11.0 PPG
					CLASS "	G"	329 S	X 1.2 C	15.6 PPG
					CALCIUI	M CHLORIDE	200 S	X 1.10 C	15.6 PPG
7 7/8	4 1/2	N-80	11.6#	8,000	PREMIU	M LITE II	200 S	X 3.3 C	14.3 PPG
					ļ				
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25.				ATTA	CHMENTS		CU,	NEIDENT	TAL
VERIFY THE FOL	LOWING ARE AT	TACHED IN ACCORD	DANCE WITH THE U	TAH OIL AND GAS C	ONSERVATION	GENERAL RULES:	UU	H IDEI	
✓ WELL PL	AT OR MAP PREF	PARED BY LICENSE	SURVEYOR OR EN	NGINEER	Z	OMPLETE DRILLING PLAN			
	CE OF DIVISION O	IF WATER RIGHTS A	PPROVAL FOR USE	OF WATER	1 =	ORM 5, IF OPERATOR IS PE	RSON OR CO	MPANY OTHER THAN I	HE LEASE OWNER
	\ \ /(i 1 1	AM A RYAN				_E AGENT			
NAME (PLEASE	PRINT)	- 2	7		TIT		***		
SIGNATURE	N lleo	wa /			DA1	11/14/2005			
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		V		U	ah Divis	sion of		/ 1 8 2005	
API NUMBER AS	SIGNED:	13.0473	7400	Oil,	Gas and	d Mining	1101	לטט2 פיי	
				Date: Q	1- 43	2-01911-1	DIV. OF OI	L, GAS & MININ	3
(11/2001)				By:	ns on Reverse	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

T9S, R24E, S.L.B.&M.



THE SW 1/4 OF SECTION 23, T9S, R24E, S.L.B.&M. THE

ELEVATION OF THIS BENCH MARK IS SHOWN ON THE BONANZA 7.5 MIN. QUADRANGLE AS BEING 5550'.

LATITUDE = $40^{\circ} 00' 06.4"$

LONGITUDE = $109^{\circ} 14' 40.9"$

THURSTON ENERGY OPERATING COMPANY

WELL LOCATION, THURSTON 13-29-9-24, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 29, T9S, R24E, S.L.B.&M. UINTAH COUNTY, UTAH.

NOTES:

- 1. Well footages are measured at right angles to the Section Lines.
- 2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THAT THAT WAS PREPARED FROM FILE OF NOTES OF ACTUAL SURVEYS MADE BY ME OR OUTSER MY SURFREST TO THE BEST OF MY KNOWLEDGE THE BEST OF MY KNOWLEDGE THE BEST OF KAY

REGISTRA REN NO SUN VENOR REGISTRA REN NO 30251 STATE OF UTAH

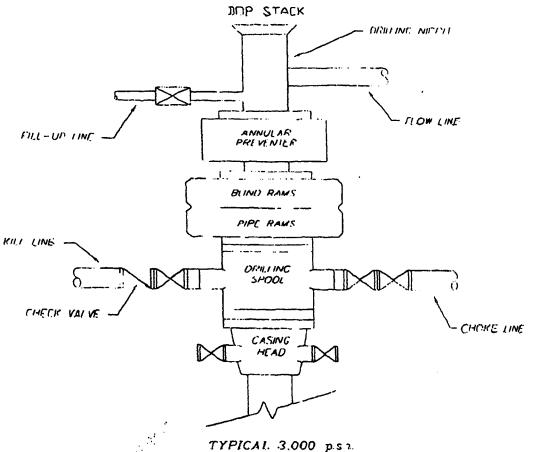
TIMBERLINE LAND SURVEYING, INC.

38 WEST 100 NORTH. - VERNAL, UTAH 84078 (435) 789-1365

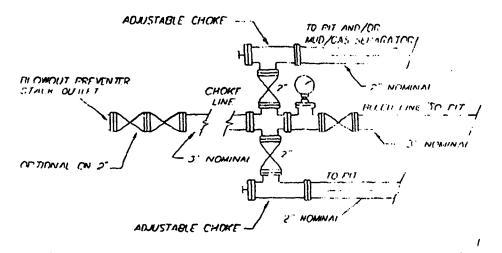
	· · · · · · · · · · · · · · · · · · ·	
DATE SURVEYED: 10-18-05	SURVEYED BY: K.R.K.	SHEET
DATE DRAWN: 10-29-05	DRAWN BY: J.R.S.	2
SCALE: 1" = 1000'	Date Last Revised:	OF 10

THE HOUSTON EXPLORATION COMPANY

TYPICAL 3,000 ps.z. BIOWOUT PREVENTER SCHEMATIC



TYPICAL 3,000 p.s.r. CHOKE MANIFOLD SCHEMATIC



* SANDARD FORM 299(1/99) Prescribed by DOI/USDA/DOT P.I. 96-487 and Federal

FORM APPROVED

UTILITY	SYSTEMS AND FACILITIES	Expires: December 31, 2001
ON FEDERAL LANDS		FOR AGENCY USE ONLY
NOTE: Before completing and file application, the applicant so schedule a preaplication meeting with representative application. Each agency may have specific and unit the application. Many times, with help of the representative application meeting.	s of the agency responsible for processing the que requirements to be met in preparing and processing	Application Number Date Filed
1 Name and address of the applicant (include Zip code) Thurston Energy Operating Co. 2754 W. Hwy. 40 Vernal, UT 84078	2 Name, title, and address of authorized agent if difference from item 1 (include zip code) William A Ryan 290 S 800 E Vernal, UT 84078	Applicant 435-789-0968
specifications (lenth, width, grade, etc.); (d) term of year	s) of the United States? em or facility, e.g., canal, pipeline, road);(b) related structures rs needed: (e) time of year of use or operation; (f) Volume or vork area needed for construction (Attach additional sheets,	amount of production to be transported;
8 Attach a map covering area and show location of propo	osal	
9 State or Local government approval Attach	ned X Applied for Not Requir	ed
10 Nonreturnable application fee: X Attached	Not Required	
11 Does Project cross international or affect international v	waterways? Yes X No	
	y to conduct, operate, maintain, and terminate system for whi	

DIV. OF OIL, GAS & MINING

NOV 1 8 2005

the proposed drilling program

		~			
13 a	Describe other reasonable alternative routs and None were considered	es considered.	74		
b	Why were these alternatives not selected Please see attached APD.				
С	Give explanation as to why it is necessary to cross To access State minerals located		surface		
14	List authorization and pending application filed for code, or name) An Application for Permit to Dril Gas and Mining.	• •			
15	Provide statement of need for project, including the maintenance); (b) estimated cost of next best alto a. Please see attached APD. b. Please see attached APD.			posal (construction, operation, and	
16	Describe probable effects on the population in the There will be no significant impaor the rural lifestyle from the pr	acts on the areas	•	•	
17	Describe likely environmental effects project will h Quantity; (d) the control or structural change on a vegetation, permafrost, soil, and soil stability.		•		
	a. minimal d. no change	1			
	b. minimal e. minimal				
	c.minimal f. minimal				
18	endangered species; and (b) marine mammals, ir a. There will be little or no impacts b. NA	ncluding hunting, capturing	g, collecting, or killing thes		
19	and Liability Act of 1980, as amended, 42 U.S.C. "hazardous waste" as defined in the Resource Co	ion, operation, maintenanc aminant that is listed as ha 9601 et seq., and its regul onservation and Recovery uclear or byproduct materi cluding crude oil or any fra	ce or termination of the rig azardous under the Comp lations. The definition of Act of 1976 (RCRA), ass al as defined by the Atom ction thereof that is not ot	ight-of-way or any of its facilities. "Hazardous prehensive Environmental Response, Compensation, of hazardous substances unsure CERCLA includes any s amended, 42 U.S.C. 6901 et seq., and its regulations nic Energy Act of 1954, as amended, 42 U.S.C. 2011 otherwise specifically listed or described as a	
	Please see attached APD.				
20	Name all the Department(s)/Agency(ies) where the Bureau of Land Management, V	ernal Field Office			
HERE	Cc: Utah Division of Oil, Gas an BY CERTIFY, That I am of legal age and authorize		ate and that I have persor	onally examined the information contained the informat	ion
ontain	ed in the application and believe that the formation		e best of my knowledge.		
	Illion a Ky			Date 11/14/2005	
Tital 18	U.S.C. Section 1001, makes it a crime for any per				=

Ten Point Plan

Thurston Energy Operating Company

Thurston 13-29-9-24

Surface Location SW 1/4 SW 1/4, Section 29, T. 9S., R. 24E.

1. Surface Formation

Green River

2. Estimated Formation Tops and Datum:

Formation	<u>Depth</u>	Datum
Green River	Surface	+5,439' G.L.
Uteland Butte Limestone	3,545	+1,894'
Wasatch	3,635	+1,804'
Mesaverda	5,385	+54'
Buck Tounge	6,810	-1,371'
Castlegate	6,880	-1,441'
TD	8,000	-2,561'

A 11" hole will be drilled to 2,000' +/-. The hole depth will depend on the depth that the Birds Nest Zone is encountered. The hole will be drilled 400' beyond the top of the Birds Nest.

3. Producing Formation Depth:

Formation objective includes the Green River, Wasatch, Mesaverde and its submembers.

Off Set Well information

Permitted/Drilled:

Southman CYN. 1-30-9-24 Southman CYN. 6-30 Southman CYN. 8-30 Southman CYN. 7-30-9-24 Southman CYN. 9-30 Southman CYN. 14-30 Red Wash 9-24-23-30 Red Wash 9-24-31-30 Diablo 924-31C Diablo 924-31J

Producing Wells:

Southman CYN. 2D-30

Abandon Wells:

Devils Playground 32-31

Shut in Well:

Dirty Devil Unit 11-29

4. Proposed Casing:

Hole	Casing			Coupling	Casing	
<u>Size</u>	<u>Size</u>	Weight/FT	<u>Grade</u>	& Tread	Depth	New/Used
11	8 5/8	36#	J-55	STC	2000	NEW
7 7/8	4 1/2	11.6#	N-80	LTC	T.D.	NEW

Cement Program:

The Surface Casing will be cemented to the Surface as follows:

Lead:	Casing <u>Size</u>	Cement Type	Cement Amounts	Cement <u>Yield</u>	Cement Weight
Leau.	8 5/8	Premium Lite II .05#/sk Static Free .25#/sk Cello Flake 5#/sk KOL Seal .002 gps FP-6L 10% Bentonite .5% Sodium Metasil 3% Potassium Chlor		3.38ft³/sk	11.0 ppg
Tail:					
	8 5/8	Class "G" 2% Calcium Chlorid .25#/sk Cello Flake	329 sks. +/- le	1.2ft³/sk	15.6 ppg
Top Jo	ob:				
	8 5/8	4% Calcium Chloride .25#/sk Cello Flake	e 200 sks. +	/-1.10ft³/sk	15.6 ppg

Production casing will be cemented to 2,500' or higher as follows:

	Casing	Cement	Cement	Cement	Cement
	Size	Type	<u>Amounts</u>	<u>Yield</u>	Weight
Lead:					
	4 1/2	Premium Lite II .25#/sk Cello Flake .05#/sk Static Free 5#/sk Kol Seal 3% Potassium Chlor .055 gps FP-6L 10% Bentonite .5 Sodium Metasilio		3.3ft³/sk	11.0 ppg

Tail:

4 1/2	Class "G" .05% Static Free 2 Sodium Chloride	400 sks +/-	1.56ft³/sk	14.3 ppg
	.1% R-3			
	2% Bentonite			

5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 8 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

6. Mud Program:

Interval	Mud weight lbs./gal.	Viscosity Sec./OT.	Fluid Loss M1/30 Mins.	Mud Type
0-2000	Air/Clear Water	30	No Control	Water/Gel
2000-T.D.	8.4-12.0		8-10	Water/Gel

7. Auxiliary Equipment

Upper Kelly cock, full opening stabbing valve, 2 1/2" choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging:

a) Test: None are anticipated.

Coring: b)

There is the possibility of sidewall coring.

c) Sampling: Every 10' from 2000' to T.D.

d) Logging: Type

Interval

DLL/SFL W/GR and SP

T.D. to Surf. Csg

FDC/CNL W/GR and CAL T.D. to Surf. Csg

9. Abnormalities (including sour gas):

No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation. Other wells drilled in the area have not encountered over pressured zones or H2S.

10. Drilling Schedule:

The anticipated starting date is $\frac{12/31/05}{12/31/05}$. Duration of operations is expected to be 30 days.

THURSTON ENERGY OPERATING COMPANY 13 POINT SURFACE USE PLAN FOR WELL

THURSTON 13-29-9-24
LOCATED IN SW 1/4 SW 1/4

SECTION 29, T.9S, R24E, S.L.B.&M.

UINTAH COUNTY, UTAH

LEASE NUMBER: ML-22161

SURFACE OWNERSHIP: FEDERAL

1. Existing Roads:

Thurston Energy Operating CO

Thurston #13-29-9-24

Section 29, T9S, R 24E

Starting in Vernal, Utah:

Proceed in an easterly, then southerly direction from Vernal, Utah along US Highway 40 approximately 3.3 miles to the junction of State Highway 45; exit right and proceed in a southerly direction along State Highway 45 approximately 36 miles to the junction of County B road 3410 (this road is located approximately 0.5 miles south of Bonanza, Utah) exit right and proceed in a westerly direction along county B road 3410 approximately 4.2 miles to the junction of county B road 3420; exit left and proceed in a southerly direction along county B road 3420 approximately 1.4 miles to the intersection of county B road 3425; exit left and proceed in a southerly direction along county B road 3425 approximately 0.5 miles to the proposed access road; follow road flags in a southeasterly direction approximately 830' to the proposed location.

Total distance from Vernal, Utah to the proposed well location is approximately 45.6 miles.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class D roads. Please see the attached map for additional details.

2. Planned access road

The proposed access road will be approximately 830' +/- of new construction on lease. The road will be graded once per year minimum and maintained.

1

A) Approximate length	830 ft
B) Right-of-Way width	30 ft
C) Running surface	18 ft
D) Surface material	Native soil
E) Maximum grade	5%
F) Fence crossing	None
G) Culvert	None
H) Turnouts	None
I) Major cuts and fills	None
J) Road Flagged	Yes
K) Access road surface	ownership
•	Federal
	_

L) All new construction on lease

M) Pipe line crossing

Please see the attached location plat for additional details.

No

An off lease Right-of-Way will not be required.

All surface disturbances for the road and location will be within the lease boundary.

3. Location of existing wells

The following wells are located within a one-mile radius of the location site.

- A) Producing well Southman Canyon 2D-30
- B) Water well None

C) Abandoned well

Devils Playground 32-31

- D) Temp. abandoned well None None
- E) Disposal well

F) Drilling/Permitted well Southman Canyon 1-20-9-24 Southman Canvon 6-30 Southman Canyon 7-30-9-24 Southman Canyon 9-30 Southman Canyon 8-30 Southman Canyon 14-30 Southman Canyon 14-30 Dialbo 924-31C Dialbo 942-31J Red Wash 9-24-23-30

- Red Wash 9-24-34-30 G) Shut in wells
- Dirty Devil Unit 11-29 H) Injection well

additional details.

None I) Monitoring or observation well None

Please see the attached map for

4. Location of tank batteries, production facilities and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted a Carlsbad Canyon color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Carlsbad Canyon.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval form the authorized officer.

If the well is capable of economic production a surface gas line will be required.

Approximately 4,430' +/- of 3" surface pipeline would be constructed on Federal Lands. The pipeline will tie into the existing pipeline in Sec 29, T9S, R24E. The pipeline will be strung and boomed to the north of the location and parallel to the access roads.

An off lease Right-of-Way will not be required.

Please see the attached location diagrams for pipeline location. There will be no additional surface disturbances required for the installation of a gathering line.

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meterproving schedules. A copy of the meter calibration report will be submitted to the BLM's Vernal District office and State of Utah. Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

5. Location and type of water supply

Water for drilling and cementing will come from The White River at the Bonanza Bridge, Permit # - T75376.

6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately 12 ft. deep and most of the depth shall be below the surface of the existing ground Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will be used to store water for drilling. A semiclosed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer.

C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized landfill location.

D) Sewage:

A portable chemical toilet will be supplied for human waste.

E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

9. Well-site layout

Location dimensions are as follows:

4 > 7 > 7 7	- 4- 4
A) Pad length	345 ft
B) Pad width	260 ft
C) Pit depth	12 ft
D) Pit length	150 ft
E) Pit width	75 ft
F) Max cut	19.4 ft
G) Max fill	8.7 ft
H) Total cut yds.	7,620 cu yds
I) Pit location	South end
D Top soil location	

J) Top soil location

North and West ends

K) Access road location

West end L) Flare Pit corner C

Please see the attached location diagram for additional details.

All pits will be fenced according to the following minimum standards:

A) Thirty nine inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of

reinforcement rod is attached to the top of the entire fence.

- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at leas 42 inches.
- C) Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.
- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

10. Plans for restoration of the surface

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately 1,500 cubic yards of material. Topsoil will be stockpiled in one distinct pile. Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area

will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be re-contoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be recontoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified. And left with a rough surface.

A) Seeding dates:

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

B) Seed Mix:

To be determined by the Authorized Officer.

11. Surface ownership:

Access road Federal Location Federal Pipe line Federal

12. Other information:

A) Vegetation

The vegetation coverage is Slight. The majority of the existing vegetation consists of Sagebrush. Rabbit brush, Bitter Brush, and Indian Rice grass are also found on the location.

B) Dwellings:

There are no dwelling or other facilities within a one-mile radius of the location.

C) Archeology:

The location has been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

D) Water:

The nearest water is the White River located approximately 3 miles to the South.

E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

F) Notification:

- a) Location Construction
 At least forty eight (48)
 hours prior to
 construction of location
 and access roads.
- b) Location completion Prior to moving on the drilling rig.
- c) Spud notice At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and

cementing
At least twenty-four (24)
hours prior to running
casing and cementing all
casing strings.

- e) BOP and related equipment tests
 At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice Within five (5) business days after the new well begins, or production resumes after well has been off production for more than 90 days.

G) Flare pit:

The flare pit will be located in **corner** C of the reserve pit out side the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

13. Lessees or Operator's representative and certification

A) Representative

William A. Ryan Rocky Mountain Consulting Vernal, UT 84078

Office 435-789-0968 Fax 435-789-0970 Cellular 435-828-0968

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws,

regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

This drilling permit will be valid for a period of one year from the date of approval.

After permit termination, a new application will be filed for approval for any future operations.

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route, that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be preformed by Thurston Energy Operating Company and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Date 11/15/05

William A. Ryan, Agent Rocky Mountain Consulting

Onsite Dates:

Statement of use of Hazardous Materials

No chemical(s) from the EPA's consolidated list of Chemicals Subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986 will be used, produced, transported, stored, disposed, or associated with the proposed action. No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored, transported, disposed, or associated with the proposed action.

If you require additional information please contact:

William A Ryan Agent for Thurston Energy Operating CO 290 S 800 E Vernal, UT 84078

435-789-0968 Office 435-828-0968 Cell

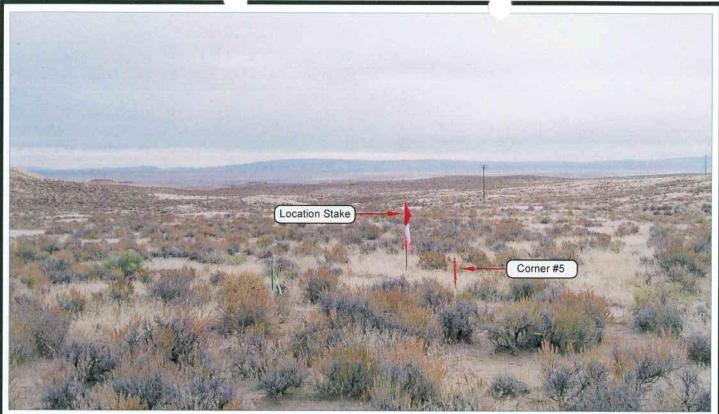


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

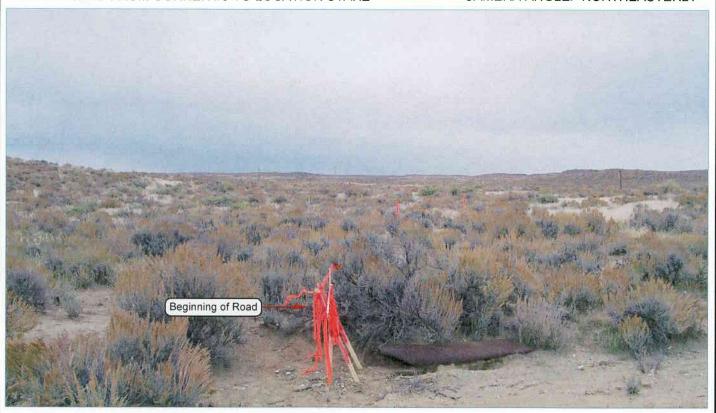


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: SOUTHEASTERLY

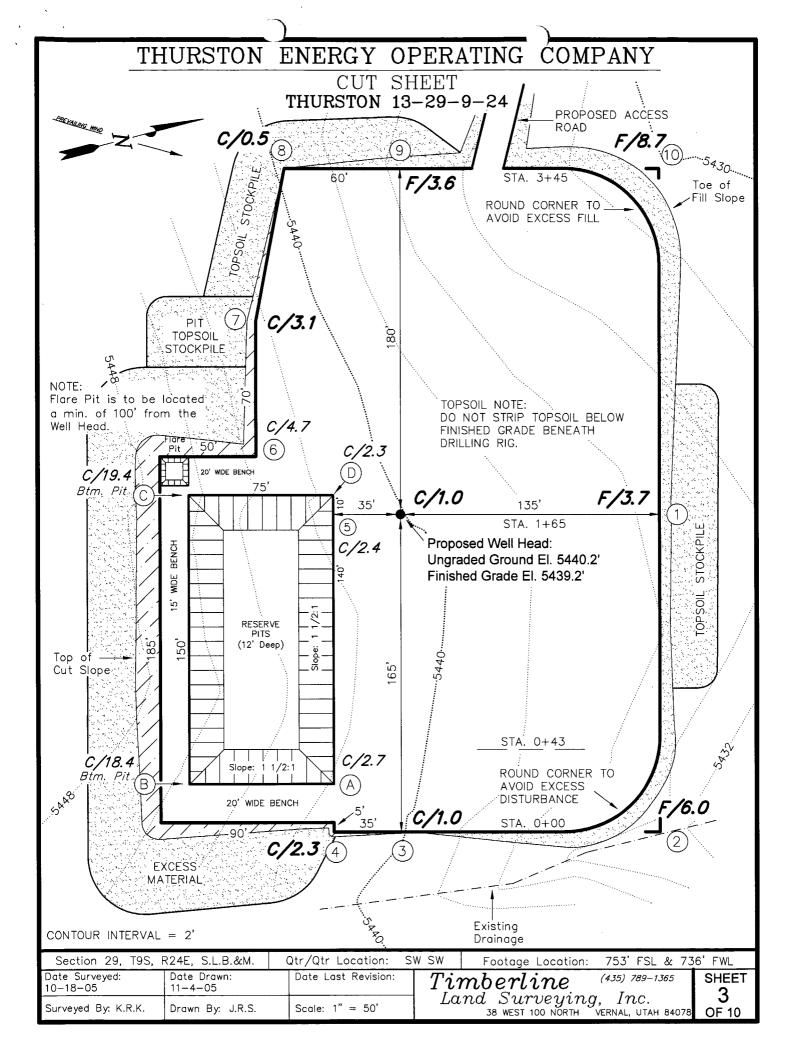
THURSTON ENERGY OPERATING COMPANY

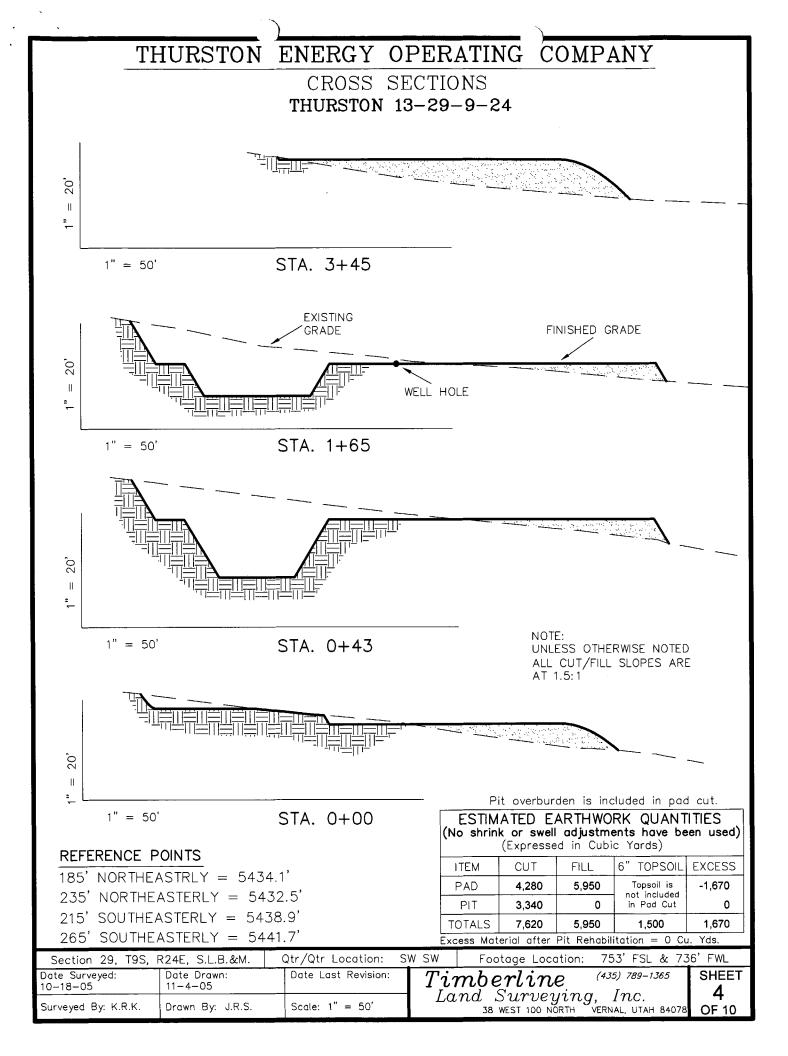
Thurston 13-29-9-24 SECTION 29, T9S, R24E, S.L.B.&M. 753' FSL & 736' FWL

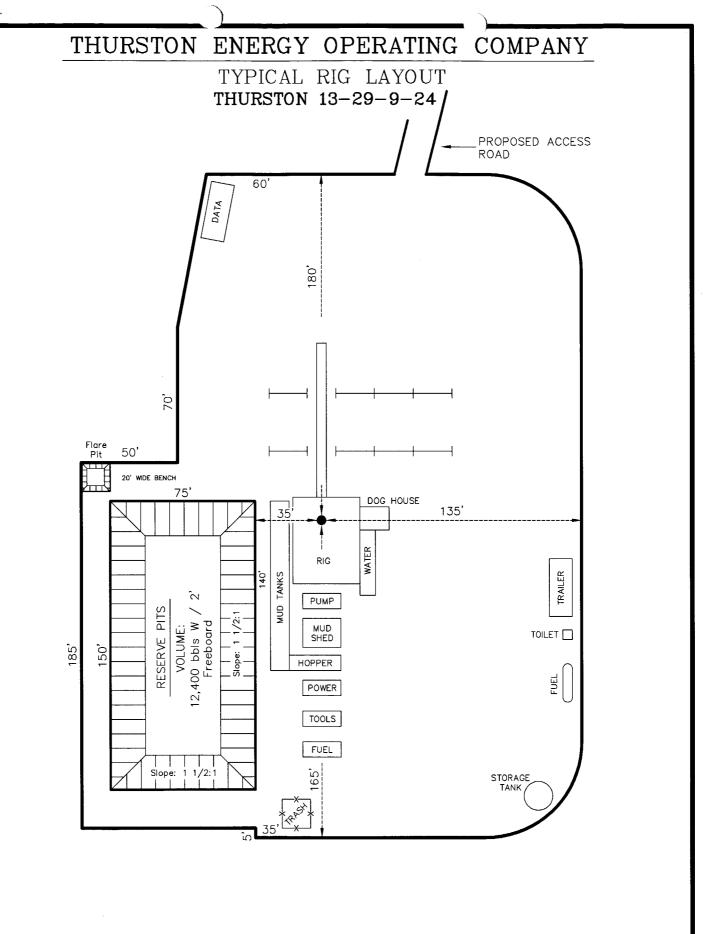
LOCATION	PHOTOS	DATE TAKEN: 10-18-05 DATE DRAWN: 11-02-05
TAKEN BY: K.R.K.	DRAWN BY: M.W.W.	REVISED:

Timberline Land Surveying, Inc. 38 West 100 North Vernal, Utah 84078

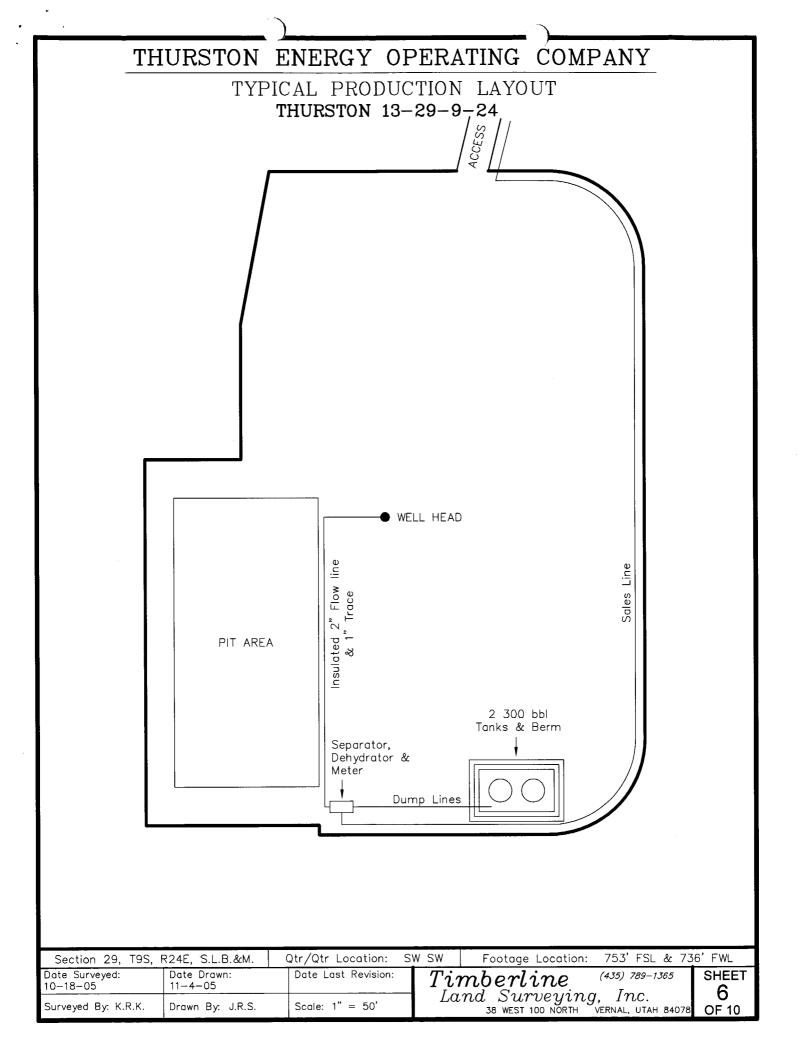
SHEET 1 OF 10

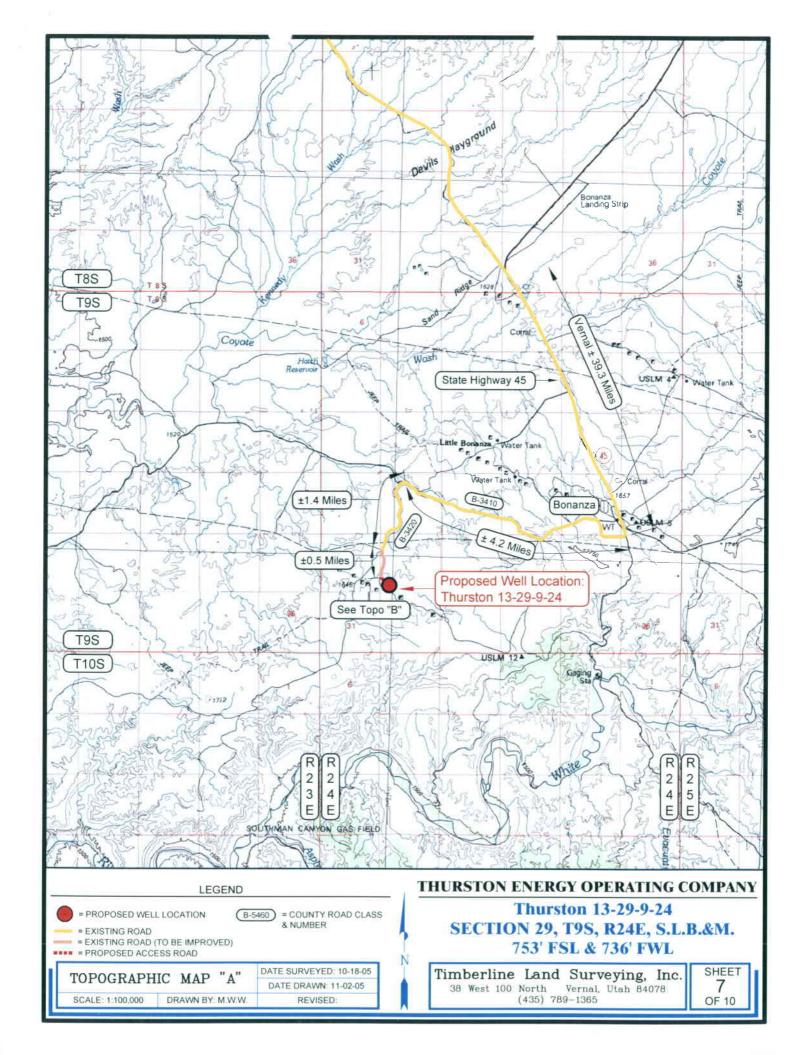


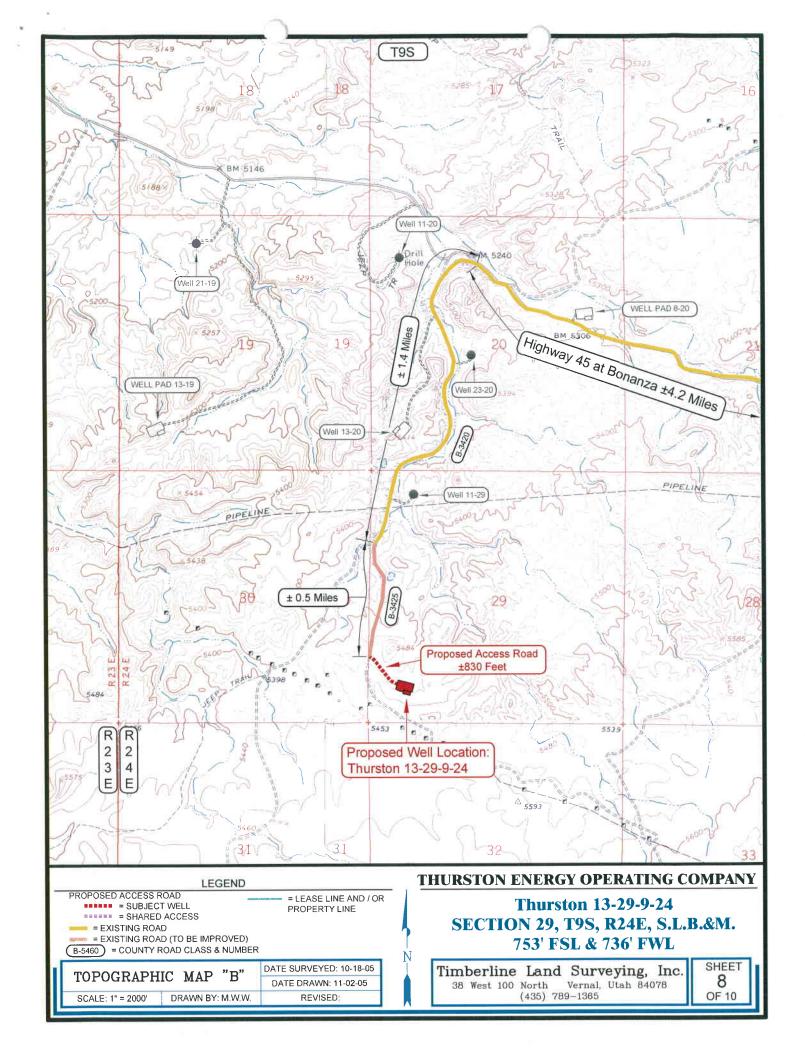


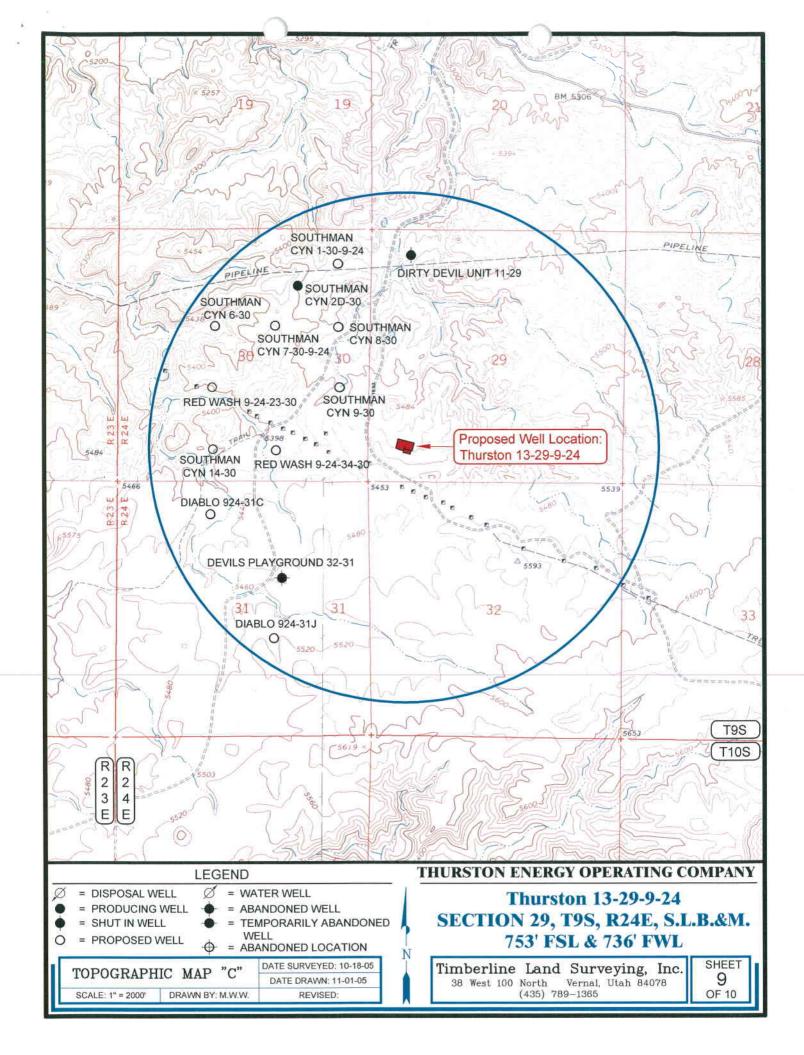


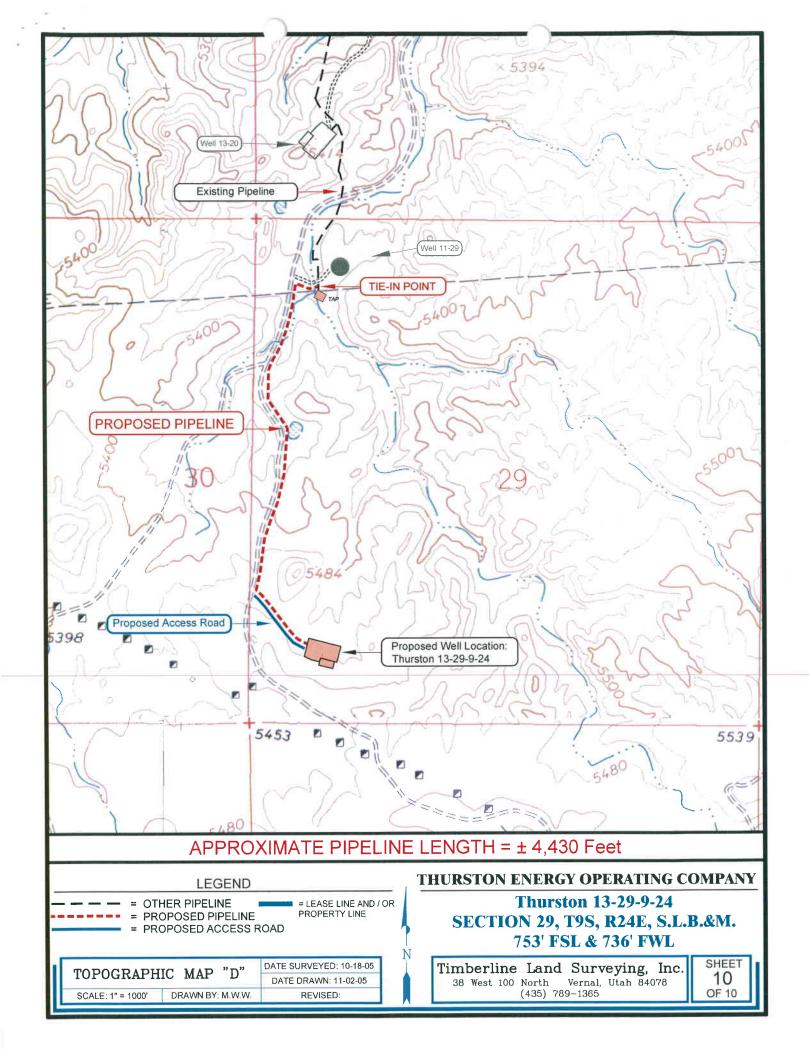
Section 29, T9S	, R24E, S.L.B.&M.	Qtr/Qtr Location: S	SW SW	Footage Location:	753' FSL & 73	6' FWL
Date Surveyed: 10—18—05	Date Drawn: 11-4-05	Date Last Revision:		mberline	(435) 789-1365	SHEET
Surveyed By: K.R.K.	Drawn By: J.R.S.	Scale: 1" = 50'	$L\alpha$	nd $Surveying$ 38 West 100 North	$g,\ Inc.$ VERNAL, UTAH 84078	OF 10





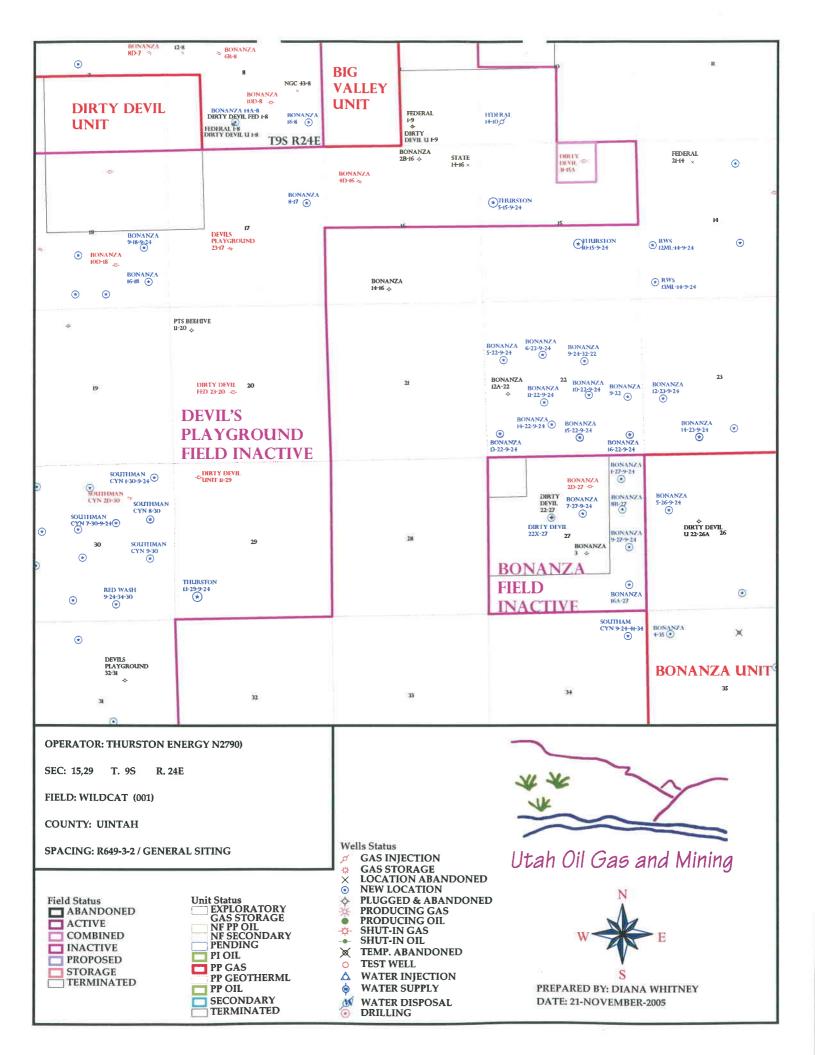






WORKSHEET APPLICATION FOR PERMIT TO DRILL

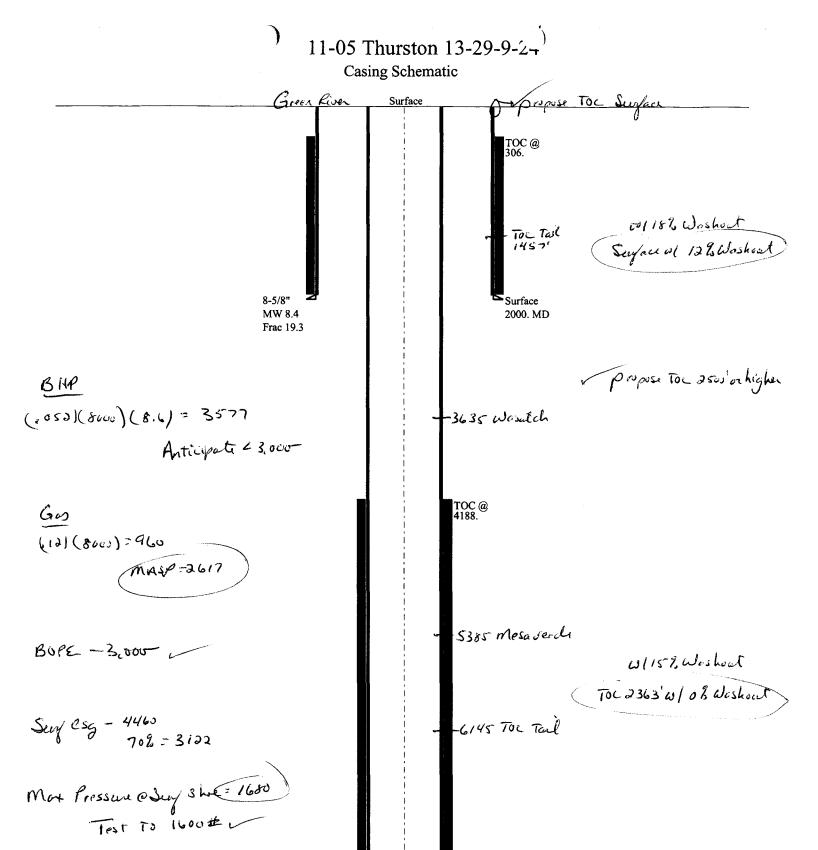
APD RECEIVED: 11/18/2005	API NO. ASSIGN	ED: 43-047-374	06
WELL NAME: THURSTON 13-29-9-24 OPERATOR: THURSTON ENERGY (N2790) CONTACT: BILL RYAN	PHONE NUMBER: 4	35-789-0968	
PROPOSED LOCATION:			
SWSW 29 090S 240E	INSPECT LOCATI	I BY: / ,	/
SURFACE: 0753 FSL 0736 FWL BOTTOM: 0753 FSL 0736 FWL	Tech Review	Initials	Date
UINTAH	Engineering	Dan	11/22/07
WILDCAT (1)	Geology		
LEASE TYPE: 3 - State	Surface		
LEASE NUMBER: ML-22161 SURFACE OWNER: 1 - Federal PROPOSED FORMATION: CSLGT COALBED METHANE WELL? NO	LATITUDE: 40.0		
RECEIVED AND/OR REVIEWED: Plat Bond: Fed[] Ind[]_Sta[] Fee[] (No. 0269435251 Potash (Y/N) N Oil Shale 190-5 (B) or 190-3 or 190-13 Water Permit (No. T75376 RDCC Review (Y/N) (Date: 12/06/2005 NA Fee Surf Agreement (Y/N) NA Intent to Commingle (Y/N)	Drilling United Board Cause Eff Date: Siting:	General From Qtr/Qtr & 920' Exception it E No:	
STIPULATIONS: 1- Colon Approved 2- Spaling Stip 3- Surfice (sg (m- 4- (mt stip # 3 5- STATEMENT OF	(4/2" productor	2500'mo	



DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	Thurston Energy Operat	ting Compan	ıy	
WELL NAME & NUMBER:		•		
API NUMBER:				
LOCATION: 1/4,1/4 <u>SW/SW</u> Sec	:: 29 TWP: <u>98</u> RNG: <u>24</u> I	<u> 753</u> FSL	<u>736</u> FWL	
Geology/Ground Water:				
Thurston has proposed setting 2,00 saline water is estimated at 3,900'. a radius of 10,000' from the center	A search of Division of V of Section 29. The surface	Water Rights ce formation	s records shows no water at this site is the Uinta I	wells within Formation.
The Uinta Formation is made up of				
and discontinuous and should not be				
is expected to be very near the grou		-	******	
and should be protected. Production			above the base of the m	oderately
saline ground water in order to pro-	tect fresher waters uphole	<u>2.</u>		
Reviewer: Brad	Hill	Date:	01/23/06	
Surface:				
The surface rights at this location	are owned by the Federal	l Governmen	nt and administered by t	he BLM. The
operator is responsible for obtaining surface disturbance or commencing	g all required permits and			
Reviewer: Brad	Hill	_Date:	01/23/06	
Conditions of Approval/Applicat	ion for Permit to Drill:			

None.



/ Adoquite Dus Marlos

4-1/2"

MW 8.6

Production

8000. MD

Well name:

11-05 Thurston 13-29-9-24

Operator:

Thurston Energy Operation

String type:

Project ID:

Surface

43-047-37406

Location:

Uintah County, Utah

Des	ign	parameters:

Collapse

Mud weight:

8.400 ppg Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125 **Environment:**

H2S considered? Surface temperature: No 65 °F 93 °F

Bottom hole temperature: Temperature gradient:

1.40 °F/100ft

Minimum section length:

299 ft

Burst:

Design factor

1.00

Cement top:

306 ft

<u>Burst</u>

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

83 psi 0.436 psi/ft 956 psi

Tension:

8 Round STC: 8 Round LTC:

Neutral point:

Buttress: 1.60 (J) 1.50 (J) Premium:

Tension is based on air weight.

Body yield:

1.80 (J) 1.80 (J)

1,749 ft

1.50 (B)

Re subsequent strings:

Non-directional string.

Next setting depth: Next mud weight: Next setting BHP:

8,000 ft 8.600 ppg 3,574 psi

Fracture mud wt: Fracture depth: Injection pressure 19.250 ppg 2,000 ft 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	8.625	36.00	J-55	ST&C	2000	2000	7.7	143.5
Run Seq	Collapse Load (psi) 873	Collapse Strength (psi) 3450	Collapse Design Factor 3.954	Burst Load (psi) 956	Burst Strength (psi) 4460	Burst Design Factor 4.67	Tension Load (Kips) 72	Tension Strength (Kips) 434	Tension Design Factor 6.03 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: (801) 538-5281 FAX: (801)359-3940

Date: November 21,2005 Salt Lake City, Utah

ENGINEERING STIPULATIONS -

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

11-05 Thurston 13-29-9-24

Operator:

Thurston Energy Operation

String type:

Production

Project ID: 43-047-37406

Location:

Uintah County, Utah

Design parameters:

Collapse

Mud weight:

8.600 ppg Design is based on evacuated pipe.

Minimum design factors:

Collapse: Design factor

1.125

Environment:

H2S considered? Surface temperature: No 65 °F

Bottom hole temperature: Temperature gradient:

177 °F

1.40 °F/100ft

Minimum section length: 1,500 ft

Burst:

Design factor

1.00

1.80 (J) 1.80 (J)

1.60 (J)

Cement top:

4,189 ft

Burst

Max anticipated surface

pressure: Internal gradient: Calculated BHP

83 psi 0.436 psi/ft 3,574 psi

No backup mud specified.

Tension:

8 Round STC:

Premium:

Body yield:

8 Round LTC: **Buttress:**

1.50 (J) 1.50 (B) Non-directional string.

Tension is based on air weight. Neutral point: 6,972 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8000	4.5	11.60	N-80	LT&C	8000	8000	3.875	185.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3574	6350	1.777	3574	7780	2.18	93	223	2.40 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining by:

Phone: (801) 538-5281 FAX: (801)359-3940

Date: November 21,2005 Salt Lake City, Utah

ENGINEERING STIPULATIONS -

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

STATE ACTIONS

Resource Development Coordinating Committee Governor's Office of Planning and Budget 5110 State Office Building

SLC, UT 84114 Phone No. 537-9230

Pnone No. 537-9230						
1. State Agency	2. Approximate date project will start:					
Oil, Gas and Mining						
1594 West North Temple, Suite 1210	Upon Approval or December 5, 2005					
Salt Lake City, UT 84114-5801						
3. Title of proposed action: Application for Permit to Drill						

4. Description of Project:

Thurston Energy Operating Company proposes to drill the Thurston 13-29-9-24 well (wildcat) on a State lease ML-22161, Uintah County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.

5. Location and detailed map of land affected (site location map required, electronic GIS map preferred)

(include UTM coordinates where possible) (indicate county)

753' FSL 736' FWL, SW/4 SW/4,

Section 29, Township 9 South, Range 24 East, Uintah County, Utah

6. Possible significant impacts likely to occur:

Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres – not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.

- 7. Identify local government affected
 - a. Has the government been contacted? No.
 - b. When?
 - c. What was the response?
 - d. If no response, how is the local government(s) likely to be impacted?
- 8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable:
 - a. Has the representative and senator been contacted? N/A
- 9. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1)
 Uintah Basin Association of Governments

10. For f	further information, contact:	11. Signature and title of authorized office					
		Die HA					
	Diana Whitney	Gil Hunt, Associate Director					
Phone:	(801) 538-5312	Date: November 21, 2005					

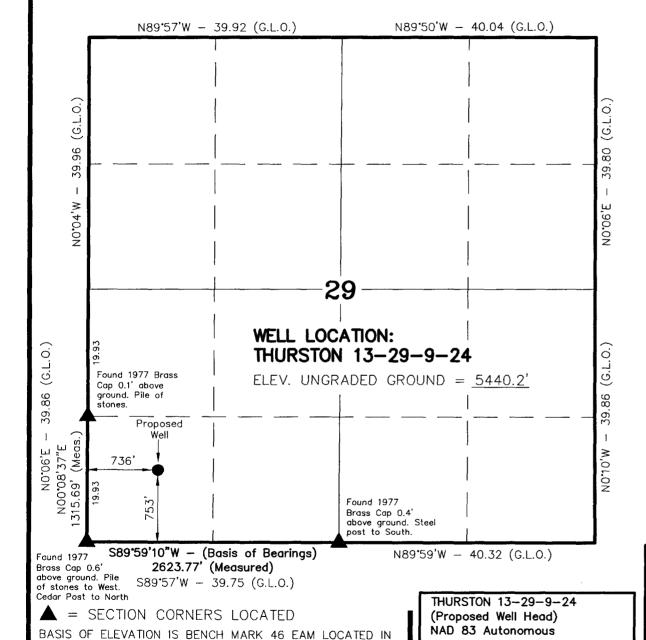
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

FO	RM	3
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AMENDED REPORT . (highlight changes)

									(. Gridingoo,
		APPLICAT	ION FOR	PERMIT TO	DRILL			MINERAL LEA	SE NO:	6. SURFACE: Federal
1A. TYPE OF WO	DRK: D	RILL 🔽 I	REENTER [DEEPEN			7	. IF INDIAN, ALL	OTTEE OR	RIBE NAME:
B. TYPE OF WE	ill: OIL 🗌	GAS 🗹	OTHER	SIN	GLE ZONE [MULTIPLE ZON	IE 🗾 8	. UNIT or CA AG	REEMENT	IAME:
2. NAME OF OPE		ating Compa						. WELL NAME 8		
3. ADDRESS OF		ating Compa	iriy			PHONE NUMBER:		Thurston		
PO BOX 24	40	_{CITY} Vernal	STA	TE UT 21P 840	078	(435) 789-2653		Undoeign.		3
4. LOCATION OF	WELL (FOOTAGE	S)	649	887 X	40.6	00181	1	1. QTR/QTR, SE MERIDIAN:	CTION, TOV	VNSHIP, RANGE,
AT SURFACE:	753' FSL 8	k 736' FWL	Ψ (887X 129225Y	, , , , ,			SWSW 2	9 9	24E
AT PROPOSED	PRODUCING ZO	NE: SAME A	S ABOVE 7	121200	-109. 2	24410				
14. DISTANCE IN	MILES AND DIRE	CTION FROM NEAF	REST TOWN OR PO	ST OFFICE:			1	2. COUNTY:		13. STATE:
38.1 mile	s South of	√ernal, UT						Uintah		UTAH
	O NEAREST PROF	PERTY OR LEASE L	NE (FEET)	16. NUMBER O	F ACRES IN LEA	-	17. NUM	BER OF ACRES	ASSIGNED	TO THIS WELL:
736'						320		<u>-</u>		40
APPLIED FOI	O NEAREST WELL R) ON THIS LEASE	. (DRILLING, COMPI (FEET)	LETED, OR	19. PROPOSED	DEPTH:			D DESCRIPTION	N;	· -
4,100'	(SHOW WHETHE	R DF, RT, GR, ETC)·	22 APPROXIMA	ATE DATE WOR	8,000		9434510 MATED DURAT	ION:	
5439.2 G	,	.K Dr , K1 , GK, E10.	·F	12/31/20		N WILL START.		AYS	ION.	
24.			PROPOS	ED CASING A	ND CEMEN	TING PROGRAM				
SIZE OF HOLE	CASING SIZE,	GRADE, AND WEIG	HT PER FOOT	SETTING DEPTH		CEMENT TYPE, QUA	ANTITY, YI	LD, AND SLUR	RY WEIGHT	
12 1/4	8 5/8	J-55	36#	2,000	PREMIU	M LITE II	250	SX	3.38 CF	11.0 PPG
					CLASS "	3"	329	SX	1.2 CF	15.6 PPG
					CALCIUN	I CHLORIDE	200	SX	1.10 CF	15.6 PPG
7 7/8	4 1/2	N-80	11.6#	8,000	PREMIUN	M LITE II	200		3.3 CF	14.3 PPG
				-				· .		·
-	<u></u>								(-\ 17°	181
25.	· · · · · · · · · · · · · · · · · · ·			ATTA	CHMENTS			JNFIL	FMI	IAL
VERIFY THE FO	LLOWING ARE AT	TACHED IN ACCOR	DANCE WITH THE U	JTAH OIL AND GAS C	ONSERVATION	GENERAL RULES:	O.	0111 1-		, . ¹ ·
✓ WELL PL	AT OR MAP PREF	PARED BY LICENSE	D SURVEYOR OR E	NGINEER	☑ co	MPLETE DRILLING PLAN				,
V IDEN	CE OF DIVISION O	F WATER RIGHTS	APPROVAL FOR US	E OF WATER		RM 5, IF OPERATOR IS PE	RSON OR	COMPANY OTH	ER THAN TH	E LEASE OWNER
		. <u> </u>								
NAME (PLEASE	PRINT), WILLI	AM A RYAN	_		וודר	E AGENT				
SIGNATURE	Willes	wa T	ya-		DATI	11/14/2005				
(This space for Sta	ate use only)	()					RI	ECEIV	/ED	
		\sim								
API NUMBER AS	SIGNED:	13-047 3	7406		APPROVAL	·	N	OV 182	005	
						_	DIV OF	OII 040 a		

T9S, R24E, S.L.B.&M.



THE SW 1/4 OF SECTION 23, T9S, R24E, S.L.B.&M. THE ELEVATION OF THIS BENCH MARK IS SHOWN ON THE

BONANZA 7.5 MIN. QUADRANGLE AS BEING 5550'.

LATITUDE = $40^{\circ} 00' 06.4"$

 $LONGITUDE = 109^{\circ} 14' 40.9'$

THURSTON ENERGY OPERATING COMPANY

WELL LOCATION, THURSTON 13-29-9-24, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 29, T9S, R24E, S.L.B.&M. UINTAH COUNTY, UTAH.

NOTES:

- 1. Well footages are measured at right angles to the Section Lines.
- 2. Bearings are based on Global Positioning Satellite observations.



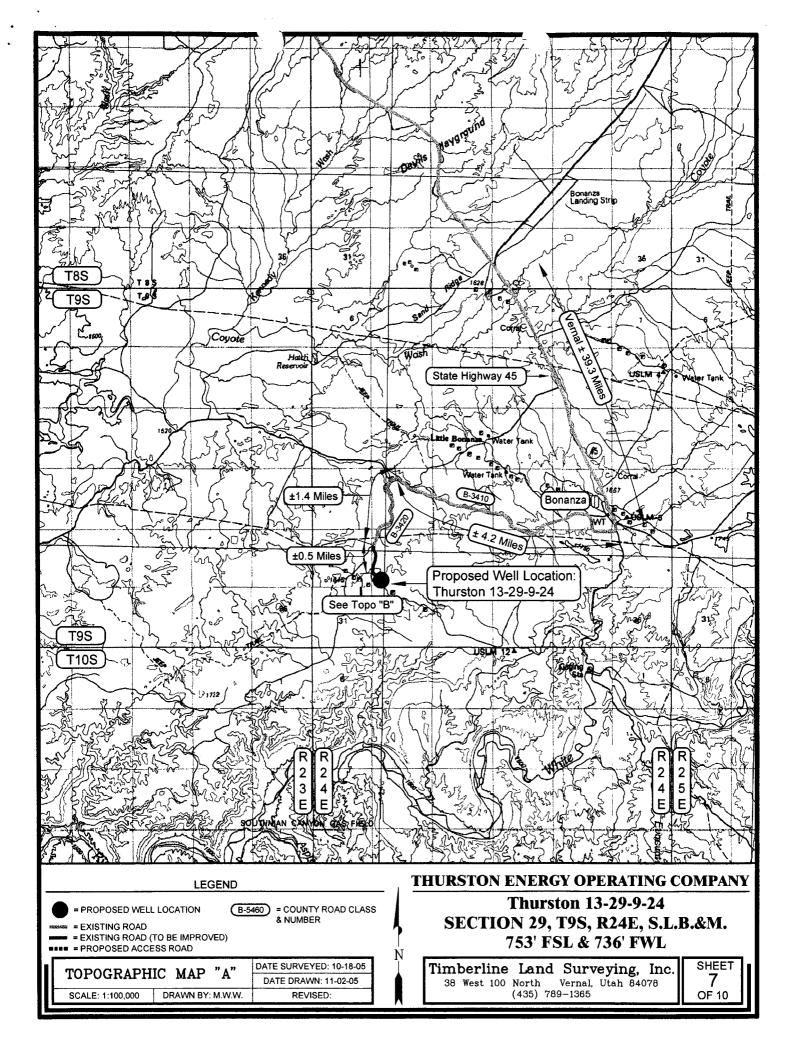
THIS IS TO CERTIFY THAT LARVABOVE PLAT WAS PREPARED FROM FILES OF A STUAL SURVEYS MADE BY ME OR OUTSELD MY SURFREST TO THE BEST OF MY KNOWLEDGE AND BELLEHBY R. 8 2 8

REGISTERE OF LAND SURVEYOR REGISTRA FROM NO 2251

TIMBERLINE LAND SURVEYING, INC.

38 WEST 100 NORTH. - VERNAL, UTAH 84078 (435) 789-1365

DATE SURVEYED: 10-18-05	SURVEYED BY: K.R.K.	SHEET		
DATE DRAWN: 10-29-05	DRAWN BY: J.R.S.	2		
SCALE: 1" = 1000'	Date Last Revised:	OF 10		



From:

Robert Clark Whitney, Diana

To: Date:

11/28/2005 9:17:07 AM

Subject:

RDCC short turn around responses

The following comments are being submitted directly to DOG&M due to their short turn around status.

The following comments are submitted for RDCC #5944-5949. The comments pertain to all projects. Comments begin: The proposed *North Horseshoe 12-7-6-22, 16-9-6-22, 14-10-6-22, 2-15-6-22, 4-15-6-22, and 3-16-6-21* well drilling projects in Uintah County may require a permit, known as an Approval Order, from the Utah Division of Air Quality if any compressor stations are constructed at the site. A permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, SLC, UT, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The proposed project is also subject to Utah Air Quality Rule R307-205-3, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Division of Air Quality, but steps need to be taken to minimize fugitive dust, such as, watering and/or chemical stabilization, providing vegetative or synthetic cover and windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . Comments end.

The following comments are submitted for RDCC #5950-5952. The comments pertain to all projects. Comments begin: The proposed *Thurston 5-15-9-24, 13-29-9-24, and 10-15-9-24* well drilling projects in Uintah County may require a permit, known as an Approval Order, from the Utah Division of Air Quality if any compressor stations are constructed at the site. A permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, SLC, UT, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The proposed project is also subject to Utah Air Quality Rule R307-205-3, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Division of Air Quality, but steps need to be taken to minimize fugitive dust, such as, watering and/or chemical stabilization, providing vegetative or synthetic cover and windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . Comments end.

Robert Clark

Division of Air Quality 536-4435

CC:

Mcneill, Dave; Wright, Carolyn

Project Number: <u>5951</u> Sponsor: Division of Oil, Gas and Mining

SLB&M: Sec. 29, T9S, R24E Counties Affected: Uintah

Description: Application for Permit to Drill - proposal to drill a wildcat well

Comments:

Wellpad placement disturbs soils. Vegetative and/or structural measures to control erosion shall be implemented within 60 days of initial soil disturbance to prevent erosion leaving the site from exceeding the tolerable rate as determined by the local office of USDA/NRCS.

Further, if vegetation surrounding the wellpad does not provide at least 60% ground cover within 60 days of creating the wellpad, engineering practices shall be implemented within those 60 days to control erosion. Such measures may include mulching, use of fiber mats, cross slope trenching, contour furrows, rock dams, terracing or such other erosion control practices as are required to prevent erosion from exceeding the tolerable rate. In addition, no negative disturbance or degradation to or of surrounding or nearby soils, native or beneficial vegetation, or riparian areas shall be permitted.

In addition, no spills of chemicals including hydrocarbons, lubricants, salt water, antifreeze, or other potentially damaging materials shall be permitted.



State of Utah

Department of **Natural Resources**

> MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

> JOHN R. BAZA Division Director

JON M. HUNTSMAN, JR. Governor

> GARY R. HERBERT Lieutenant Governor

> > January 23, 2006

Thurston Energy Operating Company P O Box 240 Vernal, UT 84078

Re:

Thurston 13-29-9-24 Well, 753' FSL, 736' FWL, SW SW, Sec. 29, T. 9 South,

R. 24 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37406.

Sincerely,

Gil Hunt

Associate Director

pab **Enclosures**

cc:

Uintah County Assessor

SITLA

Bureau of Land Management, Vernal District Office

Operator:	Thurston Energy Operating Company Thurston 13-29-9-24		
Well Name & Number			
API Number:	43-047-37406 ML-22161		
Lease:			
Location: <u>SW SW</u>	Sec. 29	T. 9 South	R. 24 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
- 6. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

Page 2 43-047-37406 January 23, 2006

- 7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
- 8. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.
- 9. Surface casing shall be cemented to the surface.
- 10. Cement volume for the 4 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2500' MD as indicated in the submitted drilling plan.

Thurston Energy Operating Company 2754 W. Hwy 40 Vernal, Utah 84078 (435) 789-2653

June 20, 2006

Earlene Russell Division of Oil, Gas & Mining P.O. Box 145801 Salt Lake City, Utah 84117

4357892657

Re: Transfer of Bond from Thurston well 13-29-9-24 to 12-19-9-24

Dear Ms. Russell:

This letter hereby requests that bond # 0269435251 be rescinded from well number 13-29-9-24 and moved to well number 12-29-9-24 due to the declining of approval of the 13-29-9-24 site as a result of arch survey findings.

Thank you for your time and courtesy concerning this matter.

Sincerely.

Ralph Curton Jr.

President

Thurston Energy Operating Company

rc/cr

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State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

July 17, 2006

Ralph Curton Jr. Thurston Energy Operating Co. P.O. Box 240 Vernal, Utah 84078

Re: <u>APD Rescinded – Thurston 13-29-9-24 Sec. 29, T. 9S R. 24E</u> Uintah County, Utah API No. 43-047-37406

Dear Mr. Curton:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on January 23, 2006. On July 7, 2006, you requested that the division rescind the state approved APD. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective July 7, 2006.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Whitney

Engineering Technician

cc:

Well File

SITLA, Ed Bonner

Bureau of Land Management, Vernal

Thurston Energy Operating Company

2754 W. Hwy 40 Vernal, Utah 84078 (435) 789-2653 (435) 789-2657 Fax

BLM, Vernal Field Office 170 S 500 E Vernal, UT 84078

T095 R24E5-29 43-047-37406

Dear Sir or Madam,

Due to a large archeological/historical site (please see report #1479), Thurston Energy Operating Company respectfully requests to withdraw the Thurston 13-29-9-24 Right-of-Way applications for the location, road and pipeline. The serial numbers for the applications are UTU-82751(pipeline), UTU-82754(road) and Thurston Energy Operating Company was not provided a serial number for the location.

Best regards,

Ginger Stringham

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DIV. OF OIL, GAS & MINING